

CAST HIGHLIGHT

Software Health		Ready Intrica to goed Pauls migraton	Open Source Safety	
65.6		1.8	requirements 80.5	
istostw ■ 64.86 📫 95.		ustra acst .97 88.8	worst average 13.6 80.5	Ţ
0 500	16 ENTLY NO BURINNIS CAMPAIGN	2.7k Total FIE VEEDOTALS	48.5m LINES OF CODE	0
olio Insights				\$
	rgest Maintenance Teams aptermus with the hypers FT allocand to momenture tame II & Recorded Maintenance Effort IF	Most Complex Applications Tap I opplications with the lawest Software Degrees active Mome II # 5	CloudReady Best Candidates Tre 3 applications with the highest Countileasy acres The The The The The Countile	IR.

How to install, configure and use CAST Highlight's extension for **Atlassian BitBucket**



CAST 321 W. 44th St., Suite 501 – New-York, NY 10036 +1 212 871 8330 contact@casthighight.com





What is CAST Highlight

CAST Highlight is the SaaS Software Intelligence platform to monitor software health, cloud readiness, open source safety of your Application Portfolio with code-level analytics. Highlight supports a wide variety of technologies, including Java, COBOL, SAP/Abap, .Net, Python, PHP, PL/SQL, Objective-C & more.

Highlight uses predictive patterns analysis built over time by scanning thousands of applications and billions of lines of code. By looking at the frequency of issues and potential impacts found into source code, managers can review how the factory is operating without drowning in detail.

In Highlight, software health of a project is monitored and tracked through four main indicators that consolidate hundreds of code patterns:

- Software Health: indicates programming best practices that make software bullet-proof, more robust and secure. This index is derived through technology-specific code analysis that searches for the presence of code patterns that may comprise the reliability of the software at short term. <u>Click here for more information</u>
- Cloud Readiness: In Highlight, cloud readiness of an application is measured by the CloudReady index. This indicator assesses the software & organization characteristics that can slow or speed a PaaS migration.

Click here for more information

Open Source Safety: Open Source Safety indicates the use of 3rd-party components that comply with security, license and age requirements. This index from 0 (low safety) to 100 (high safety) is an average of the three main scores for measuring Open Source/Third-Party component risk: security, license, and obsolescence risks.
 Click here for more information

More information: casthighlight.com



casthighlight.com



CAST 321 W. 44th St., Suite 501 – New-York, NY 10036 +1 212 871 8330 contact@casthighight.com





Prerequisites

The CAST Highlight Scanner is a plugin for Atlassian BitBucket that leverages our command line to automatically scan a source code repository and upload corresponding scan results to CAST Highlight's platform.

- 1. The CAST Highlight's command line must be accessible on Atlassian BitBucket server
- 2. The server should have Perl 5.28 installed (best is to install the Local Agent)
- 3. The server should have access to the internet (if you want to automatically upload results)

Server & Scanner configuration

Projets Dép	ôts 🛩	Rechercher du code, des commits ou des d
ninistration		
/ue d'ensemble	CAST Highlight Scanner	
Utilisateurs Groupes	Successfully updated plugin configuration!	
utorisations globales uthentification uthentification SAML	Server configuration Server URL	
vatars ipertoires utilisateur	https://ec2-3-236-294-25.compute-1.amazonaws.com.8443/ Company Id	
varamêtres Paramêtres du serveur	6	
Base de données Espace de stockage Vavigateur d'application	Scanner configuration Highlight CLI directory CLUsers/AWE/Downloads/Highlight-Automation-Command	
pplication Links erveur de courrier électronique cence	Analyser directory	
lustering	Path to Perl library	
firoirs	C\Program Files\CAST\Highlight\Agent\strawberry\perl	
nalytics	Define the path to Perf's Strawberry library required to run CAST Highlight analyzers Perf executable command	
frouver de nouvelles applications		
Gérer les applications OSGi	Save	

This administration screen will allow you to specify the CAST Highlight server when scan results will be uploaded to, as well as where the command line and the Perl analyzers and binary are located on the BitBucket server:

- Server URL: the CAST Highlight server address (e.g. <u>https://rpa.casthighlight.com</u>)
- Company Id: this is your company identifier
- **Highlight CLI directory**: this is the folder where the command line (JRA) is located on your BitBucket server
- **Analyzer directory**: this is the folder where the CAST Highlight Perl analyzers are located (in the command line package, they are in Highlight-Automation-Command\perl)



CAST 321 W. 44th St., Suite 501 – New-York, NY 10036 +1 212 871 8330 contact@casthighight.com



 Path to Perl library: this is the folder where Perl's binary files are located. Installing the Local Agent will automatically gets Perl installed in this folder: C:\Program Files\CAST\HighlightAgent\strawberry\perl)

User Account Configuration

🖬 Bitbucket Projets Dépôts 🛩	Rechercher du code, des commits ou des dé, 🔍 🕐 🗘 🖻	
Project 1 jira_clone Actions C Cloner C Créer une branche C Créer une mbranchement C Créer un embranchement C Créer un embranchement C Comparer S Can with Highlight NNMGATON F Fichies C Fichies D Branches D Pularequests	CAST Highlight Scanner	
RACCOURCIS + Ajouter un raccourci Configuration du référentiel	Copyright 2021 - CAST Software	
"	Cette gestion des dépôts Git est procurée par Attassian Bihucket Atlassien Bihucket 4: 10.8 · Donumentation · Demander une fonctionnalité · À propos de · Contacter Atlassian Gésinéer par 11466ad5 2029-1427 au 262-5644sc5020Pc. Le groupe content un moud.	

The information on this screen is needed to authenticate to the Highlight server you specified (e.g. https://rpa.casthighlight.com):

- Username: this is the user login you previously activated
- Password: this is the password you defined for your user login



CAST 321 W. 44th St., Suite 501 – New-York, NY 10036 +1 212 871 8330 contact@casthighight.com



Repository Configuration

🖬 Bitbucket Projets Dépôts 🛩			Rechercher du code, des commits ou des déj 🏻 Q	00	I 이
Project 1 jira_clone Actions Coner Coner Coner Coner Coner Coner Coner Comparer Comparer Scan with Highlight NUMARION Compares Commits Branches Pull requests Commits Pull requests Commits Configuration du référentiel	CAST Highlight Scanner Configure the repository Louis to existing Highlight application Create a new Highlight application Tetre a name for the new application Exter which repository branch to scan marter Copyright 2021 - CAST Software				
		Cette gestion des dépôts 64 est procurée par Atlassian Bithucket Adeasian Bithucket v6.10.8 - Documentation - Demander une fonctionnalité - À propos de - Contacter Atl Générie par 11.86648-4323-4274-3425-b645455028/bc. Le groupe contanter un noaut.	ussian		
×		A ATLASSIAN			

This allows you to select the BitBucket repository that will be scanned with CAST Highlight:

- If the repository has been previously scanned and uploaded to CAST Highlight, select "Link to existing Highlight application" and specify the corresponding applicationId
- If the repository has neven been scanned, select "Create a new Highlight application" and enter the name of the repository/application as you want to see it in CAST Highlight dashboards
- Finally, select the branch of the repository you want to scan (e.g. master)



CAST 321 W. 44th St., Suite 501 – New-York, NY 10036 +1 212 871 8330 contact@casthighight.com



Repository Scan Configuration

Bitbucket Projets Dépôts	🖌 Rechercher du code, des commits ou des dé, 🔍 🕐 🗘 💟 💮
Project 1 jira_clone	CAST Highlight Scanner
Coner	Configure the Highlight scanner
Créer une branche	Analyze big files
ំំំំ្រ Créer une pull request	Allow analysis of files of a size up to 3 M8
-C Créer un embranchement	Append scan result
Comparer	Proviously uploaded results for application/label/labe will not be removed lanone directories
n Scan with Highlight	guine surveyores
NAVIGATION	Comma-separated list of directory names to ignore
<> Fichiers	Ignore files
¢ Commits	
រូំ Branches	Comma-separated list of regular expressions used to ignore file names.
ាំ រូ Pull requests	(gnore paths
-C Embranchements	
RACCOURCIS	A regular expression to ignore paths within the repository
+ Ajouter un raccourci	Technologies
Configuration du référentiel	Select technologies
	Define the technologies you want to include in the scan (if left empty, all supported technologies will be scanned)
	Launch Scan
	Copyright 2021 - CAST Software
	Cette gestion des dépôts Git est procurée par Atlassian Bitbucket
	Alfassian Bitukotet vis 10.8 = Documentation - Demander un fensionnalisi - A proposi de - Conducter Alfassian Gielek par 11456648 3252/4274.2455-14645-152026/L og parage contrott on roward.
» «	
	A ATLASSIAN

This screen is meant to fine-tune the scan you are about to launch with additional options:

- **Analyze big files**: by default, CAST Highlight analyzers skip large files (over 3MB) to prevent performance issues. Check this box if you want to analyze them anyway
- **Append scan result**: this option is meant to upload scan results without submitting them for score aggregations. This option can be used when you want to consolidate multiple repositories into one application in CAST Highlight
- **Ignore directories**: directory names to ignore during the scan (e.g. test folders, .git, etc.), separated by a comma
- Ignore files: you may want to exclude specific files from the scan. This option takes a list
 of regular expressions to ignore file names, separated by a comma (e.g. ".*foo.*\.js" will
 exclude all JS files having "foo" in their name)
- **Ignore paths**: list of regular expressions to ignore paths. Source code within directories matching with this regexp will be automatically excluded from the scan
- **Technologies**: technologies you want to explicitly scan in your sources, separated by a comma, and sorted by preferences

